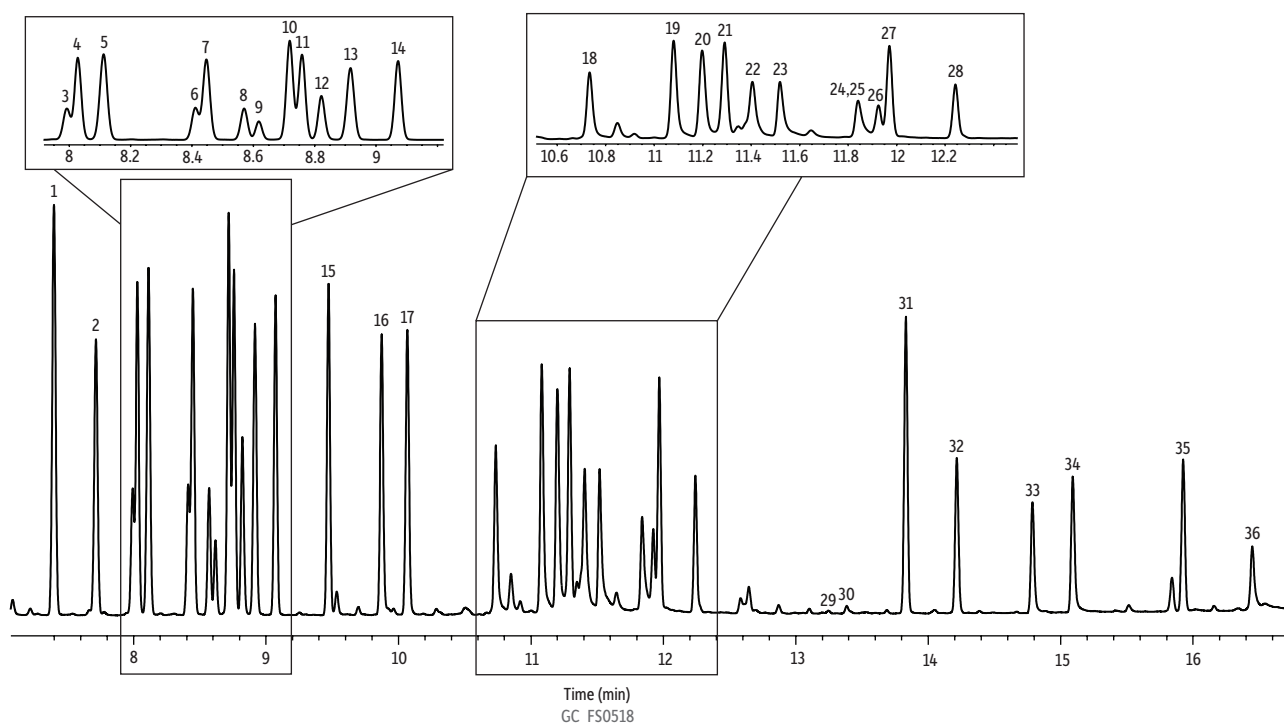


Medical Cannabis Terpenes on Rxi®-624Sil MS by FET-HS-GC

Peaks	tr (min)	Peaks	tr (min)
1. α -Pinene	7.39	19. dl-Menthol	11.08
2. Camphene	7.71	20. Borneol	11.19
3. β -Myrcene	7.98	21. α -Terpineol	11.29
4. Sabinene	8.02	22. Dihydrocarveol	11.40
5. β -Pinene	8.11	23. Citronellol	11.51
6. α -Phellandrene	8.4	24. Geraniol	11.82
7. δ -3-Carene	8.44	25. 2-Piperidinone	11.88
8. α -Terpinene	8.57	26. Citral 1	11.92
9. Ocimene	8.61	27. Pulegone	11.97
10. Limonene	8.71	28. Citral 2	12.24
11. <i>p</i> -Cymene	8.75	29. Citral 3	13.19
12. β -Ocimene	8.82	30. Citral 4	13.43
13. Eucalyptol	8.91	31. β -caryophyllene	13.83
14. γ -Terpinene	9.06	32. α -Humulene	14.21
15. Terpinolene	9.47	33. Nerolidol 1	14.78
16. Linalool	9.87	34. Nerolidol 2	15.08
17. Fenchone	10.06	35. Caryophyllene oxide	15.92
18. Isopulegol	10.73	36. α -Bisabolol	16.43



Column Rxi® -624Sil MS, 30 m, 0.25 mm ID, 1.40 μ m (cat.# 13868)
Sample Terpenes mix
Diluent: Isopropyl alcohol
Conc.: 200 ng/ μ L (0.02% wt/vol). The sample was prepared by placing 10 μ L into the headspace vial.
Injection headspace-loop split (split ratio 10:1)
Liner: Premium 1.0 mm ID straight inlet liner (cat.# 23333.1)
Headspace-Loop
Inj. Port Temp.: 250 °C
Instrument: Tekmar HT-3
Inj. Time: 1.0 min
Transfer Line Temp.: 160 °C
Valve Oven Temp.: 160 °C
Needle Temp.: 140 °C
Sample Temp.: 140 °C

Sample Equil.
Time: 30.0 min
Vial Pressure: 20 psi
Loop Pressure: 15 psi
Oven
Oven Temp.: 60 °C (hold 0.10 min) to 300 °C at 12.50 °C/min (hold 3.0 min)
Carrier Gas He, constant flow
Linear Velocity: 33 cm/sec
Detector FID @ 320 °C
Make-up Gas
Flow Rate: 45 mL/min
Make-up Gas
Type: N₂
Hydrogen flow: 40 mL/min
Air flow: 450 mL/min
Data Rate: 20 Hz
Instrument Agilent/HP6890 GC